

Name: _____

Date: _____

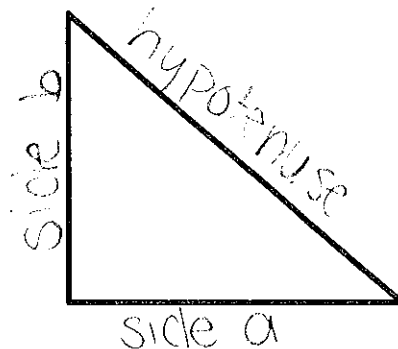
Period: _____

Pythagorean theorem Quiz

Pythagorean theorem Formula: (1 point)

$$a^2 + b^2 = c^2$$

Label the sides of this triangle: (1 points)

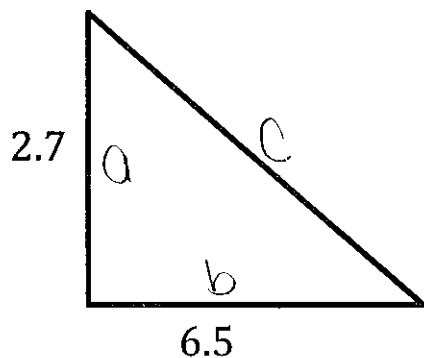


Do these side lengths make up a right triangle? Explain or show how you got your answer. (2 points)

8 ft, 9 ft, 5 ft**NO**

$$\begin{aligned} 5^2 + 8^2 &= 9^2 \\ 25 + 64 &= 81 \\ 89 &\neq 81 \end{aligned}$$

Find the missing side length. (1 point)



$$\begin{aligned} 2.7^2 + 6.5^2 &= c^2 \\ 7.29 + 42.25 &= c^2 \\ 49.54 &= c^2 \\ \boxed{7.03 \approx c} \end{aligned}$$